



OpenSky® XG-25M  
Mobile Radios



### Radio Controls – User Interface



### Change Operating Mode

1. Scroll through the menu until “App Mode” appears in the bottom line of the display.
2. Use the Menu Navigation Control to choose an available mode. Press **MENU** and confirm (Y/N) with the Menu Navigation Control and press **MENU** again.

or

Preset button C can be programmed to reboot the radio into a particular application mode.

### Radio Controls

<b>Power On/Off Volume Control</b>	Twist clockwise to power on radio and increase volume. Twist counter-clockwise to decrease volume and power off radio.
<b>Microphone Connector</b>	Connect hand-held, hands-free speaker-mic, or headset.
<b>Emergency Button</b>	Pre-programmed to declare an emergency.
<b>Group Selection or Menu Navigation Knob</b>	While in the dwell display, scrolls through available talk groups. Scrolls through selections within the active menu (available talk groups, pre-programmed speed dial numbers, canned alert messages, etc.).
<b>+ -</b>	Scrolls through top-level menu.
<b>OPT CLR</b>	Scrolls through selections within the active menu (available talk groups, pre-programmed speed dial numbers, canned alert messages, etc.).
<b>MENU Button</b>	Activate current selection.
<b>CLR</b>	Used with the Emergency button to clear an emergency.
<b>SCAN</b>	Toggles the Scan Mode ON/OFF.
<b>Pre-Set Buttons A/B/C</b>	These buttons are used to store and recall user-selectable parameters. Preset button C can be configured via programming to reboot the radio into a particular application mode.

### Radio Display and Status Icons



	<b>Steady</b> – Radio is data registered.
	<b>Steady</b> – Received Signal Strength Indicator (RSSI).
	<b>Steady</b> – Stealth mode is enabled (all tones and display backlight disabled; voice is still heard).
	<b>Steady</b> - Radio is transmitting or receiving a manual or OTAR (Network) encrypted call.
	<b>Steady</b> - Indicates Voice Scan mode is Normal or Fixed; not displayed when Voice Scan mode is No Scan.
	<b>Steady</b> - Indicates Selective Call mode.
	<b>Flashing</b> – Bluetooth® enabled, but no accessory connected. <b>Steady</b> – Radio is connected to a Bluetooth accessory.

### Alert Tones

Call Queued	1 low tone/2 high tones. Call queued for processing.
Call Denied	3 short tones. Radio is out of coverage area or requested voice group is active.
Grant (or Go-Ahead)	Single short beep. Resources have become available for a call request placed in the queue (if enabled) upon channel access.
Call Removed	Single long low-pitched tone. Notifies the user that access to the channel has been lost.
Selective Alert	4 short tones. Played once to indicate a selective alert has been received.
Emergency Alert	3 long beeps. Sounds when an emergency alert is declared.
Emergency Cleared	Single long low-pitched tone. Sounds when an emergency is cleared.
Selective Call	Ringing tone. Repeated every 4 seconds until the call is accepted or rejected by the radio being called, or until the network drops the call if unanswered after one minute.
Out-of-Range	Configurable. Typical: 3 brief tones that repeat every 15 seconds when the radio does not have consistent sync.
Roam	2 short tones: 1 high-pitched and 1 low-pitched. Sounds when the radio transitions from one radio base station site to another while transmitting voice.
Priority Bump	Single medium tone. Current received call preempted by higher priority call.
Site Found	3 short high pitched tones. Sounds when selected Site is found or using Site Lock menu.
Site Not Found	3 short high pitched tones. Sounds when selected Site is not found using Site Lock menu.

Refer to the Operator's Manual (14221-1510-2000), available online at <http://pspc.harris.com/Products/Mobile/XG-25M.aspx>, for more detailed operating instructions.

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Radio Scan Modes	
Scan Mode	Explanation
No Scan	Eliminates distractions. Full communications (transmit and receive) on selected talk group. No calls received from other talk groups.
Normal (Default)	Scan all talk groups in the active profile that are not locked out as long as there is demand on the site. Priority (P1, P2, and P3) groups are user selectable. Receive calls from more than one talk group, if available from the current site. Allows dragging of the selected talk group, P1, P2, P3, and default emergency talk groups to the site on which the radio is registered. (If other calls are available at the site, they also can be heard but they are not be actively dragged.) The default emergency talk group, as well as any emergency-enabled talk groups, is only dragged if it is in emergency mode.
Fixed	Functions the same as Normal Scan Mode, except the priority groups are fixed to the selected profile's pre-defined P1 and P2 groups (configured via the UAS).

**Stealth Mode**

1. Scroll through the menu until "StealthMenu" appears.
2. Use the Menu Navigation knob to turn Stealth Mode on.
3. To turn Stealth Mode off, press the **MENU** button on the radio's front panel.

**Check or Change the Active Profile**

The radio can store up to sixteen (16) standard profiles within its personality, one of which is always set as the currently active profile. Each profile can contain up to sixteen (16) talk groups.

If the dwell display is set to "profile," the currently active profile's name appears in the bottom line of the display. Otherwise, to determine which profile is currently active, use the menu buttons to access the Profile Menu. The active profile's name will appear in the top line of the display. To switch to/activate a different profile:

1. Using + or -, scroll until "Profile Menu" appears in the bottom line of the display. The name of the currently active profile appears in the top line.
2. Use the Menu Navigation knob to choose the desired profile stored in the radio as established by the OpenSky® network administrator.
3. The profile becomes active when selected for longer than 2 seconds, when **MENU** is pressed, or when the menu is changed.

**Check or Change the Selected Talk Group**

One talk group within the currently active profile is set as the "selected talk group." For the radio user, the selected talk group is typically the focus of most voice transmissions and receptions. There are two ways to change the selected talk group:

**First Method:**

From the dwell display, use the Talk Group Selection knob to scroll through the available list of talk groups in the active profile.

**Check or Change the Selected Talk Group (Con't)**

**Second Method:**

1. Using + or -, scroll through the menu until "TalkGrpMenu" is displayed.
2. Use the Menu Navigation knob to scroll through the available list of talk groups in the active profile.

**Receive a Voice Call**

No action is required to receive a voice call.

**Transmit a Voice Call**

1. If not already on, power-up the radio.
2. Select the desired talk group on which to transmit.
3. Depress and hold the Push-To-Talk button on the handheld microphone, pause for a moment, and then speak normally. For maximum clarity, hold the microphone approximately 2 inches from the mouth and do not shout or whisper into it. If the call is queued by the network, wait for the grant tone to sound before speaking.
4. Release the PTT button when finished speaking.

**Adjust Side Tone Audio Level**

1. Use + or - to cycle through the menu until the "Side Menu" appears in the bottom line of the display.
2. Use the Menu Navigation knob to change to the desired level (Off, Low, Medium, High). To turn side tones completely off, use the "Off" setting.

**Declare an Emergency**

1. Press the red emergency button on the radio to enter emergency mode. The emergency is raised after the emergency raise delay [default is one (1) second].

- If the active profile of the unit initiating the emergency is configured for Emergency Alert, the emergency alert signal is sent to registered alert servers, such as the dispatcher console.
- If the active profile of the unit initiating the emergency is configured for Emergency Call, the talkgroup is placed into emergency status notifying other radios and the emergency alert signal is sent to the dispatcher console.
- If the emergency behavior of the active profile is Current, the active, selected voice group becomes the default emergency voice group.
- If the emergency behavior of the active profile is Default, the radio moves to the default emergency voice group of the profile and this talk group becomes the select talk group.

2. The display will alternate between the emergency voice group name and "EMERGENCY" and declaring User ID to indicate that the emergency has been initiated.

**Clear an Emergency**

Check with the system administrator to ensure that the radio is programmed to allow an emergency to be cleared.

1. Press and hold the **CLR** button and simultaneously press the emergency button.
2. Release both buttons after the emergency cleared tone sounds.